

WHAT IS CLAIMED IS:

1. A method for searching for physiologically active substances, the method comprising the steps of:

identifying amino acid sequences of receptors having two or more sizes for identical receptors, wherein a substance or cell having a functional antagonism is a receptor of a substance present in human body, or wherein a cell or substance having a functional antagonism to cells on which a certain substance causes effects is a receptor of the substance present in human body, and

identifying which domain in the receptor having a longer size is missing in the receptor having a shorter size.

2. The method according to claim 1, wherein:

said receptors are receptors of 7-transmembrane type.

3. A method for producing physiologically active peptides comprising the step of:

producing the missing domain, or a derivative thereof, identified by the method according to claim 1, or 2.

4. The method according to claim 3, comprising the step of:  
producing said missing domain.

5. The method according to claim 4, wherein:

said missing domain is chemically synthesized.

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